

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A seat weight measuring apparatus, applied to a seat that is mounted to a vehicle body, for measuring the weight of a passenger sitting on the seat, comprising: a load sensor, installed at a location at which the seat is mounted to the vehicle body, for measuring a part of a load applied to the seat; wherein the seat is mounted to the vehicle body by a mounting structure that permits movement of the seat in response to the load applied to the seat so that another part of the load applied to the seat is not measured by the load sensor.

2. CANCELLED

3. (Previously Presented) A seat weight measuring apparatus, applied to a seat that is mounted to a vehicle body, for measuring the weight of a passenger sitting on the seat, comprising:

a load sensor, installed at one of left and right sides of a seat frame, for measuring a part of a load applied to the seat,

a restraining mechanism, connected to said seat frame, for limiting a force applied to said at least one load sensor, and

wherein the seat frame is mounted to the vehicle body by a mounting structure that permits movement of the other of said left and right sides of said seat frame relative to the vehicle body in response to the load applied to the seat so that another part of the load applied to the seat is not measured by the load sensor.

4. CANCELLED

5. (Previously Presented) A seat weight measuring apparatus as in claim 1, wherein the seat weight measuring apparatus comprises exactly one load sensor.

6. (Previously Presented) A seat weight measuring apparatus as in claim 3, wherein the seat weight measuring apparatus comprises exactly one load sensor.

7. (Previously Presented) A seat weight measuring apparatus for measuring the weight of a passenger in a vehicle having a body, comprising:

a seat having four sides;

at least one load sensor, installed at one of said sides, for measuring a part of a load applied to the seat, and

wherein the seat is mounted to the vehicle body by a mounting structure that permits movement of an opposing one of the sides of the seat in response to the load applied to the seat so that a part of the load applied to the seat is not measured by any the at least one load sensor.

8. (Previously Presented) A seat weight measuring apparatus as in claim 7, wherein said one of said sides is one of a left side and a right side and said opposing one of said sides is the other of the left side and the right side.

9. (Previously Presented) A seat weight measuring apparatus as in claim 7, wherein said one of said sides is one of a front side and a back side and said opposing one of said sides is the other of the front side and the back side.

10. (Previously Presented) A seat weight measuring apparatus as in claim 7, wherein the seat weight measuring apparatus comprises exactly one load sensor.

11. (Previously Presented) A seat weight measuring apparatus as in claim 7, wherein the seat weight measuring apparatus comprises exactly two load sensors installed at said one of said sides.

Claims 12 and 13: CANCELLED

14. (Previously Presented) The seat weight measuring apparatus of claim 1, wherein the mounting structure includes a seat rail that is pivotally connected to the vehicle body.

15. (Previously Presented) The seat weight measuring apparatus of claim 14, wherein the mounting structure further comprises a second seat rail pivotally connected to the vehicle body.

16. (Previously Presented) The seat weight measuring apparatus of claim 1, wherein the seat is positioned in seat rails that permit movement of the seat relative to the seat rails.

17. (Previously Presented) The seat weight measuring apparatus of claim 16, wherein the seat is resiliently connected to the seat rails.

18. (New) An apparatus for measuring the weight of a passenger sitting on a vehicle seat including a seat cushion overlying a frame, comprising:

a load sensor operatively connected to first portion of the frame;
wherein the first portion of the frame is connected to the vehicle by a fixed connection;

wherein a second portion of the frame located remote from the load sensor is mounted to the vehicle by a mounting arrangement that permits relative movement between the vehicle and the second portion of the frame so that a portion of the weight of the passenger applied to the first portion of the frame is not transferred to the second portion of the frame.